Product Data Sheet

Product Name: gp100 (25-33), human

Catalog Number: AS-62589 (1 mg)          Lot Number: See label on vial

Sequence: H-Lys-Val-Pro-Arg-Asn-Gln-Asp-Trp-Leu-OH (3-letter code)
          KVPRNQDWL (1-letter code)

Molecular Weight: 1155.3

Peptide Purity: >95%

Appearance: Lyophilized white powder

Peptide Reconstitution: gp100 (25-33) peptide is freely soluble in water.

Storage: gp100 (25-33) peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.

Description: This is amino acids 25 to 33 fragment of human melanoma antigen gp100. This H-2Db restricted epitope is recognized by T cells. The gp100-specific, H-2Db-restricted, CD8+ T cells are capable of recognizing B16 melanoma but not normal melanocytes. This peptide was used as an immunogen in multiple cancer immunotherapy studies. Ref: Overwijk, W. et al. J. Exp. Med. 188, 277 (1998), Wang, L. Cancer Res. 65, 10569 (2005), Finkelstein, S. et al. J. Leukoc. Biol. 76, 333 (2004).